



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Lawrence W. Swift et al.

SERIAL NO.: 10/714,789

GROUP ART UNIT:

FILED: November 17, 2003

EXAMINER:

ATTY DOCKET NO. PCTEL-023

FOR: Methodology and System for Generating a
Three Dimensional Model of Interference
in a Cellular Wireless Communication
Network

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

I hereby certify that this correspondence is being deposited on
this day with the United States Postal Service as first class
mail in an envelope addressed to : Commissioner of Patents and
Trademarks, Washington, D.C. 20231.

Jay P. Sbrolini
Jay P. Sbrolini
Reg. No. 36,266

5/5/2004
Date

Sir:

SUBMITTAL OF
DOCUMENTS PURSUANT TO DUTY OF DISCLOSURE

Pursuant to applicant's duty of disclosure 37 CFR Section 1.56, enclosed is a completed form PTOL-1449 which lists the documents relating to the above-referenced patent application. Since this document submittal is being presented prior to the first examination on the merits, no fee is due herewith.

The attached documents are as follows:

WO 01/59936; PCT; August 16, 2001

An article entitled "Full-coverage, mobile and automatic measurement of GSM interference" (GSM Interference Analyzer ROGER (TS9958); News from Rohde & Schwarz; Number 168 (2000/111) describes GSM interference and how ROGER works.

An article entitled "Interference in Mobile Cellular CDMA Forward Traffic Channels"; by A.L. Garrett, T.G. MacDonald, D. L. Noneaker, M.B. Pursley and J.M. Shea; Dept. Of Electrical and Computer Engineering at Clemson University, describes inter-cell interference in the forward link of a wireless mobile cellular CDMA network.

An article entitled "Simulation Software Accelerates In-Building Deployment", Michael Kuhn, Wirelessweb, 9/23/03; describes how simulation software can help in the deployment of in-building UMTS and WLAN infrastructure.

An article entitled "From the Inside Out: Vendor Guides Carriers Toward Indoor Coverage"; Telephony, 1/26/98; Telephony.online; describes the shift of carriers' focus toward enhancing their networks' in-building coverage.

An article entitled "Optimizing In-Building Coverage", Jay Kobielus, Gray Solmerville and Todd Baylor; Wireless Review, 3/1/98; describes in-building coverage as the next great frontier for cellular, PCS and E-SMR industries.

An article entitled "Deployment, Optimization, and Maintenance of UMTS Networks and Wizard" Agilent Technologies; Copyright 2000; describes WIZARD as an integrated automatic cell planning and network design solution to help wireless service providers plan and design networks including GPRS and UMTS.

A document entitled "Simulation Results for Parallel GSM Synchronisation"; TSG-RAN Working Group1 meeting #4; Yokohama, Japan, April 19-20, 1999; presents simulation results for parallel GSM synchronisation from UTRA.

The listed documents are brought to the Examiner's attention because they are known to the applicant and/or the applicant's attorney and may be considered by the Examiner to be material to his/her examination. This listing should not be construed as representation that a search has been made or that no better art exists. No inference should be made that the documents are in fact material merely because they are referenced herein. Moreover, no representation is made that the brief descriptions of the references herein necessarily describe the most material aspects of the references. Further, by this listing, the applicant is not making any admission regarding the relative dates of the invention and listed disclosures.

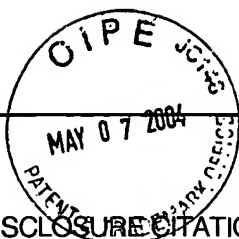
Respectfully submitted,



Jay P. Sbröllini
Reg. #36,266

Attorney for Applicant(s)

Gordon & Jacobson, P.C.
65 Woods End Road
Stamford, CT 06905
(203) 329-1160



INFORMATION DISCLOSURE CITATION

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US PATENT DOCUMENTS

Examiner Initials		Document No.	Date	Name	Class	Sub-class	Filing date if approp.
	A	US2003/0174671	09/18/03	Chen	370	329	
	B	US2003/0171132	09/11/03	Ho et al.	455	522	
	C	6,480,718	11/12/02	Tse	455	446	
	D	US2002/0118730	08/29/02	Svensson et al.	375	150	
	E	6,418,175	07/09/02	Pukkila et al.	375	347	
	F	6,470,185	10/22/02	Kangas et al.	455	456	
	G	6,356,763	03/12/02	Kangas et al.	455	456	
	H	6,349,207	02/19/02	Monot et al.	455	423	
	I	US2002/0004400	01/10/02	Fischer et al.	455	456	
	J	US2001/0044311	11/22/01	Larsson et al.	455	456	
	K	US2001/0034208	10/25/01	Kline et al.	455	67.1	

FOREIGN PATENT DOCUMENTS

Examiner Initials		Document No.	Date	Country	Class	Sub-class	Translation	
							Yes	No
		WO 01/59936	08/16/01	PCT				

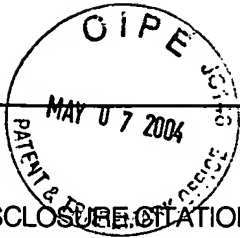
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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US PATENT DOCUMENTS							
Examiner Initials		Document No.	Date	Name	Class	Sub-class	Filing date if approp.
	A	6,137,991	10/24/00	Isaksson	455	67.1	
	B	5,179,722	01/12/93	Gunmar et al.	455	33.1	
	C						
	D						
	E						
	F						
	G						
	H						
	I						
	J						
	K						
FOREIGN PATENT DOCUMENTS							
Examiner Initials		Document No.	Date	Country	Class	Sub-class	<u>Translation</u> Yes No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	A	"Full-coverage, mobile and automatic measurement of GSM interference", GSM Interference Analyzer ROGER (TS9958); News from Rohde & Schwarz #168 (2000/III)					
	B	"Interference in Mobile Cellular CDMA Forward Traffic Channels"; A.L. Garrett, T.G. MacDonald, D.L. Noneaker, M.B. Pursley, J.M. Shea; Clemson University, SC					
	C	"Simulation software accelerates in-building deployment"; Wireless Web;09/23/03 Author: Michael Kuhn					
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	A						
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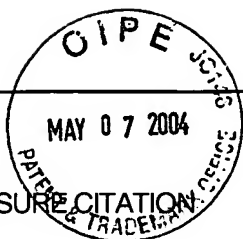
Examiner Initials		Document No.	Date	Country	Class	Sub-class	<u>Translation</u>	
							Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	A	"From the Inside Out:Vendor Guides Carriers Toward Indoor Coverage"
		Telephony.Online; Telephony, January 26, 1998
	B	"Optimizing In-Building Coverage"; Wireless Review, March 1, 1998
		Authors: James Kobiellus, Gray Somerville and Todd Baylor
	C	"Deployment, Optimization, and Maintenance of UMTS Networks with Wizard", Agilent
		Technologies, Copyright 2000

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	A	"Simulation Results for Parallel GSM Synchronisation"; TSG-RAN Working Group 1 Meeting #4; Yokohama, Japan; April 19-20, 1999; Source: Siemens
	B	
	C	

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